

**Accountable Health Communities Health-Related Social Needs Screening Tool Citation and Notification Information**

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<b>AHC Model Core Needs</b>					
<b>LOINC for full core set*: 96777-8</b>					
<b>AHC HRSN Domain</b>	<b>Item #</b>	<b>Reference</b>	<b>Citation and tracking process</b>	<b>Author contact information (if applicable)</b>	<b>LOINC</b>
<b>Living Situation</b>	1	National Association of Community Health Centers and Partners, National Association of Community Health Centers, Association of Asian Pacific Community Health Organizations, Association OPC, Institute for Alternative Futures. (2017). PRAPARE. <a href="http://www.nachc.org/research-and-data/prapare/">http://www.nachc.org/research-and-data/prapare/</a>	Any organization can use this screening question, as long as they <b>reach out to the screening question author to notify them of their plan to use it</b> , and cite the screening item appropriately.	PRAPARE team: <a href="mailto:prapare@nachc.org">prapare@nachc.org</a>	71802-3
	2	Nuruzzaman, N., Broadwin, M., Kourouma, K., & Olson, D. P. (2015). Making the Social Determinants of Health a Routine Part of Medical Care. Journal of Healthcare for the Poor and Underserved, 26(2), 321-327	Any organization can use this screening question, as long as they cite the item appropriately.		96778-6
<b>Food</b>	3-4	Hager, E. R., Quigg, A. M., Black, M. M., Coleman, S. M., Heeren, T., Rose-Jacobs, R., Cook, J. T., Ettinger de Cuba, S. E., Casey, P. H., Chilton, M., Cutts, D. B., Meyers A. F., Frank, D. A. (2010). Development and Validity of a 2-Item Screen to Identify Families at Risk for Food Insecurity. Pediatrics, 126(1), 26-32. doi:10.1542/peds.2009-3146.	Any organization can use this screening question, as long as they cite the item appropriately.		88122-7, 88123-5
<b>Transportation</b>	5	National Association of Community Health Centers and Partners, National Association of Community Health Centers, Association of Asian Pacific Community Health Organizations, Association OPC, Institute for Alternative Futures. (2017). PRAPARE. <a href="http://www.nachc.org/research-and-data/prapare/">http://www.nachc.org/research-and-data/prapare/</a>	Any organization can use this screening question, as long as they <b>reach out to the screening question author to notify them of their plan to use it</b> , and cite the screening item appropriately.	PRAPARE team: <a href="mailto:prapare@nachc.org">prapare@nachc.org</a>	93030-5

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<b>Utilities</b>	6	Cook, J. T., Frank, D. A., Casey, P. H., Rose-Jacobs, R., Black, M. M., Chilton, M., . . . Cutts, D. B. (2008). A Brief Indicator of Household Energy Security: Associations with Food Security, Child Health, and Child Development in US Infants and Toddlers. <i>Pediatrics</i> , 122(4), 867-875. doi:10.1542/peds.2008-0286	Any organization can use this screening question, as long as they <b>reach out to the screening question author to notify them of their plan to use it</b> , and cite the screening item appropriately.	Richard Sheward, MPP: <a href="mailto:richard.sheward@bmc.org">richard.sheward@bmc.org</a>	96779-4
<b>Safety</b>	7-10	Sherin, K. M., Sinacore, J. M., Li, X. Q., Zitter, R. E., & Shakil, A. (1998). HITS: a Short Domestic Violence Screening Tool for Use in a Family Practice Setting. <i>Family Medicine</i> , 30(7), 508-512	Any organization can use this screening question, as long as they <b>reach out to the screening question author to notify them of their plan to use it</b> , and cite the screening item appropriately.	Dr. Kevin Sherin: <a href="mailto:sherinkmj@gmail.com">sherinkmj@gmail.com</a>	95618-5, 95617-7, 95616-9, 95615-1, 95614-4

\*Logical Observation Identifiers Names and Codes (LOINC) is a code system and universal standard for identifying clinical and laboratory observations. The LOINC terms for the five core domains of the AHC Model HRSN Screening Tool are also available [here](#).

<b>AHC Model Supplemental Needs</b>					
<b>LOINC for full supplemental set**: 97023-6</b>					
<b>AHC HRSN Domain</b>	<b>Item #</b>	<b>Reference</b>	<b>Citation and tracking process</b>	<b>Author contact information (if applicable)</b>	<b>LOINC</b>
<b>Financial Strain</b>	11	Hall, M. H., Matthews, K. A., Kravitz, H. M., Gold, E. B., Buysse, D. J., Bromberger, J. T., . . . Sowers, M. (2009). Race and Financial Strain are Independent Correlates of Sleep in Midlife Women: The SWAN Sleep Study. <i>Sleep</i> , 32(1), 73-82. doi:10.5665/sleep/32.1.73	Any organization can use this screening question, as long as they cite the item appropriately.		76513-1
<b>Employment</b>	12	Identifying and Recommending Screening Questions for the Accountable Health Communities Model (2016, July) Technical Expert Panel discussion conducted at the U.S. Department of Health and Human Services, Centers for Medicare & Medicaid Services, Baltimore, MD.	Any organization can use this screening question, as long as they cite the item appropriately.		96780-2

## AHC Model Supplemental Needs

LOINC for full supplemental set\*\*: 97023-6

AHC HRSN Domain	Item #	Reference	Citation and tracking process	Author contact information (if applicable)	LOINC
<b>Family and Community Support</b>	13	Kaiser Permanente. (2012, June). Medicare Total Health Assessment Questionnaire. Retrieved from <a href="https://mydoctor.kaiserpermanente.org/ncal/Images/Medicare%20Total%20Health%20Assessment%20Questionnaire_tcm75-487922.pdf">https://mydoctor.kaiserpermanente.org/ncal/Images/Medicare%20Total%20Health%20Assessment%20Questionnaire_tcm75-487922.pdf</a>	Any organization can use this screening question, as long as they cite the item appropriately.		96781-0
	14	Anderson, G. Oscar and Colette E. Thayer. Loneliness and Social Connections: A National Survey of Adults 45 and Older. Washington, DC: AARP Research, September 2018. <a href="https://doi.org/10.26419/res.00246.001">https://doi.org/10.26419/res.00246.001</a>	Any organization can use this screening question, as long as they cite the item appropriately.		93159-2
<b>Education</b>	15	United States, US Census Bureau. (2017). American Community Survey. Retrieved from <a href="https://www.census.gov/programs-surveys/acs/">https://www.census.gov/programs-surveys/acs/</a>	Any organization can use this screening question, as long as they cite the item appropriately.		97027-7
	16	Identifying and Recommending Screening Questions for the Accountable Health Communities Model (2016, July) Technical Expert Panel discussion conducted at the U.S. Department of Health and Human Services, Centers for Medicare & Medicaid Services, Baltimore, MD	Any organization can use this screening question, as long as they cite the item appropriately.		96782-8
<b>Physical Activity</b>	17-18	Coleman, K. J., Ngor, E., Reynolds, K., Quinn, V. P., Koebnick, C., Young, D. R.,...Sallis, R. E. (2012). Initial Validation of an Exercise "Vital Sign" in Electronic Medical Records. <i>Medicine and Science in Sport and Exercise</i> , 44(11), 2071-2076. doi:10.1249/MSS.0b013e3182630ec1	Any organization can use this screening question, as long as they cite the item appropriately.		89555-7, 68516-4
<b>Substance Use</b>	19-22	(19-20): United States, U.S. Department of Health and Human Services, National Institutes of Health. (n.d.). <i>Helping Patients Who Drink Too Much: A Clinician's Guide</i> (2005 ed., pp. 1-34). (21-22): Smith PC, Schmidt SM, Allensworth-Davies D, Saitz R (2010). A single-question screening test for drug use in primary care. <i>Arch Intern Med</i> 170:1155-60.	Any organization can use this screening question, as long as they cite the item appropriately.		68517-2, 96842-0, 95530-2, 68524-8
<b>Mental Health</b>	23	Kroenke, K., Spitzer, R. L., & Williams, J. B. (2003). The Patient Health Questionnaire-2: validity of a two-item depression screener. <i>Medical Care</i> , 41(11), 1284-1292.	Any organization can use this screening question, as long as they cite the item appropriately.		44250-9, 44255-8

<b>AHC Model Supplemental Needs</b>					
<b>LOINC for full supplemental set**: 97023-6</b>					
<b>AHC HRSN Domain</b>	<b>Item #</b>	<b>Reference</b>	<b>Citation and tracking process</b>	<b>Author contact information (if applicable)</b>	<b>LOINC</b>
	24	Elo, A.L., Leppänen, A., & Jahkola, A. (2003). Validity of a Single-Item Measure of Stress Symptoms. <i>Scandinavian Journal of Work</i> , 29(6), 444-451.	Any organization can use this screening question, as long as they cite the item appropriately.		93038-8
<b>Disabilities</b>	25-26	United States, U.S. Department of Health and Human Services, Office of the Assistant Secretary for Planning and Evaluation (n.d.). (2011). Implementation Guidance on Data Collection Standards for Race, Ethnicity, Sex, Primary Language, and Disability Status. Retrieved from <a href="https://aspe.hhs.gov/basic-report/hhs-implementation-guidance-data-collection-standards-race-ethnicity-sex-primary-language-and-disability-status">https://aspe.hhs.gov/basic-report/hhs-implementation-guidance-data-collection-standards-race-ethnicity-sex-primary-language-and-disability-status</a> .	Any organization can use this screening question, as long as they cite the item appropriately.		69858-9, 69861-3

\*\*Logical Observation Identifiers Names and Codes (LOINC) is a code system and universal standard for identifying clinical and laboratory observations. The LOINC terms for the eight supplemental domains of the AHC Model HRSN Screening Tool are also available [here](#).